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FS - CPI;GMPI;EPI  
IC - B42D15/10 ; G03C1/685 ; G11B7/24  
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M3 - [01] D012 D014 D016 D023 D041 D120 D602 H1 H181 H2 H201 H341 H342 H600  
H608 H641 H642 L143 L199 M210 M211 M212 M213 M214 M215 M216 M220 M221  
M222 M223 M224 M225 M226 M231 M232 M233 M240 M273 M281 M282 M320 M412  
M512 M520 M530 M540 M781 M903 M904 Q318 Q346 R043; 04565; 9224-B9401-U  
M4 - [02] D012 D014 D016 D023 D041 D120 D602 H1 H181 H2 H201 H341 H342 H600  
H608 H641 H642 L143 L199 M210 M211 M212 M213 M214 M215 M216 M220 M221  
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PA - (TOPP ) TOPPAN PRINTING CO LTD  
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XA - C1992-089531  
XIC - B42D-015/10 ; G03C-001/685 ; G11B-007/24  
XP - N1992-148670  
AB - J04128834 Optical recording medium has a light shutter layer  
comprising dye having reverse chromism which is reversibly changed  
between transmission and non-transmission to the recording and  
reproducing light, on an optical recording layer. The optical  
recording shutter layer is operated by a UV beam or the visible light.  
The light shutter layer is at the side opposite the optical recording  
layer, of the transparent base.  
- Pref., the indoline spiropyran cpd. of (I) is used as the reverse  
photochromic dye. In (I), R is alkyl, and K1 and K2 are electron  
absorbing gps. e.g., NO<sub>2</sub>, CN or halogen.  
- USE/ADVANTAGE - Recording information of the optical recording medium  
is not recorded and reproduced by an ordinary recording and  
reproducing unit, so that the contents of the recording may be kept  
with high safety. The optical recording medium of high security  
property may be obtd..  
- (Dwg.1/2)  
CN - 9224-B9401-U  
IW - HIGH SECURE OPTICAL RECORD MEDIUM DYE REVERSE REVERSE CHANGE  
TRANSMISSION NON TRANSMISSION RECORD REPRODUCE LIGHT  
IKW - HIGH SECURE OPTICAL RECORD MEDIUM DYE REVERSE REVERSE CHANGE  
TRANSMISSION NON TRANSMISSION RECORD REPRODUCE LIGHT  
NC - 001  
OPD - 1990-09-20  
ORD - 1992-04-30  
PAW - (TOPP ) TOPPAN PRINTING CO LTD  
RRL - 04565  
TI - High security optical recording medium - includes dye having reverse  
chromism reversibly changed between transmission and non-transmission

to recording and reproducing light